

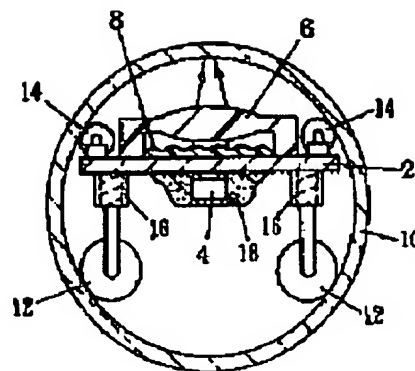
IMAGE FORMING DEVICE

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Abstract of JP6202242

PURPOSE: To improve the efficiency of guiding light from a light emitting body array to a 1st lens array by providing a microlens array between the light emitting body array and the 1st lens array. **CONSTITUTION:** The LED array 4 is connected on a substrate 2 through a flip chip, and about 40 arrays, for example, are arranged in a line. About 64 light emitting bodies, for example, are arrayed in each LED array 4. A single lens array 6 is the array of a convex lens, and provided for every LED array 4. Small micro convex lenses are provided without leaving space on the microlens array 8, and the micro convex lens has a smaller diameter than the arraying pitch of the light emitting bodies. The light from the light emitting body is a wide beam having no directivity, and when it passes through the micro convex lens, its direction is changed by the action of the convex lens, and it becomes close to parallel light rays. Therefore, the light made incident on the lens array 6 become close to the parallel light rays and focusing performance on a photosensitive drum 10 is improved.



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